

ABSTRACT:

A recognition process for handwritten characters, including generating sub-segments representing at least one character stroke, the sub-segments each having a boundary enclosing the at least one stroke of the sub-segment, merging the sub-segments when the distance between centroids of the sub-segments are less than a predetermined threshold, and generating segments representing possible characters from the sub-segments.

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Figure 1. The effect of the number of iterations (n) on the accuracy of the proposed algorithm. The error is defined as the difference between the exact solution and the numerical solution. The error decreases as the number of iterations increases.